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a		Mogensen, Paderseen, Hi Biology Vol. 33 1994. pp	ndkjaer, Kolvra 256-275.	ıa, Bolund	l. Primed in Situ (PRIN	IS) Labeling of R	INA. Methods	in Molecu	ılar
		Koch, Hindjaer, Kolyraa	Bolund, Const	ruction of	a Panel of Chromosom	e specific eligen	ralaatida proba	- /DD INC	
3		Koch, Hindjaer, Kolvraa, useful for the identification	of individual	human ch	romosomes in situ. Cyt	togenet Cell Gen	et 71:142-147,	s (rkins- 1995.	primers)
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	Kock, hindkiaer, Mogensen, Kolyraa, and Rolund	An Improved Method for Chrom	iosome-Specific Labeling of a Satelite
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mo	Terkelsen, Koch, Kolvraa, Hindkjaer, redersen, a specific DNA sequences in chromosomes and nucl	nd Bolund. Repeated primed in sit ei. Cytogenet Cell Genet 63: 235-23	tu labeling:formation and labeling of (1993).
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	Hinds, Ashley, Sutcliffe, Nelson, Warren, Housma	un. and Schalling. Tissue specific ex	corression of FMR-1 provides evidence
an	for a functional role in fragile X syndrome. Natur	e genetics Vol. 3. jan 1995 pp 36-4	3.
""			
_	Gething, Bye, Skehel, Waterfield, Cloning and DN and H3 strands elucidates antigenic shift and drif	A sequence of double-stranded copt in human influenza virus. Nature	Dies of haemagglutinin genes from H2
m			7 Oil 207 Ocht 1500 pp 501 55
	Magansan Kaluraa Hindhigar Patarsan Kash N	To and Town Community Inches	
20	Sequence-Specific Detection of RNA in Situ by Pr	ygard, Jensen, Gregersen, Junker, imed in Situ Labeling (PRINS). Ex	and Bolund. Nonradioactive, operimental Cell Research 196, pp 92-98
	(35,7);	i e	
	Kelso, troutt, Maraskovsky, Gough, Morris, Pech	, Thomson. Heterogeneity in Lymp	hokine Profiles of CD4+ and CD8+ T2 =
m	Cells and Ciones Activated in vivo and in vitro.	mmunolocical Reviews 1991 No. 12.	3 pp 85-114.
"//			
	VonZastrow, Barchas, Eberwine. An Approach to Opiate-Regulated Transcripts. NIDA Res Monog	) the Molecular Biology of Oplate T r 111: 85-95 (1991).	olerance: Identification of
m			•
	Adams, Kelley, Gocayne, Dubnick, Polymeropoul	os, Xiao, Merril, Wu, Olde, Moreno	. Kerlavage, McCombie, Venter.
10	complementary DNA Sequencing: Expressed Sequ 1651-1656.	pages, Kolvraa, and Bolund. An Improved Method for Chromosome-Specific Labeling of a Satelite by Using Denatured Double-Stranded DNA in situ Labeling (PRINS) Procedure. GATA pp171-178, 1991.  och, Kolvraa, Hindkjaer, Pedersen, and Bolund. Repeated primed in situ labeling:formation and labeling of sequences in chromosomes and nuclei. Cytogenet Cell Genet 63: 235-237 (1993).  y, Sutcliffe, Nelson, Warren, Housman, and Schalling. Tissue specific expression of FMR-1 provides evidence tal role in fragile X syndrome. Nature genetics Vol. 3. jan 1995 pp 36-43.  "Skehel, Waterfield, Cloning and DNA sequence of double-stranded copies of haemagglutinin genes from H2. discludates antigenic shift and drift in human influenza virus. Nature Vol. 287 Sept 1980 pp 301-306.  olvraa, Hindkjaer, Petersen, Kock, Nygard, Jensen, Gregersen, Junker, and Bolund. Nonradioactive, ecific Detection of RNA in Situ by Primed in Situ Labeling (PRINS). Experimental Cell Research 196, pp 92-98.  Maraskovsky, Gough, Morris, Pech, Thomson. Heterogeneity in Lympbokine Profiles of CD4+ and CD8+ T7 in the Activated in vivo and in Vitro. Immunolocical Reviews 1991 No. 123 pp 85-114.  Barchas, Eberwine. An Approach to the Molecular Biology of Oplate Tolerance: Identification of Activated in vivo and in Vitro. Immunolocical Reviews 1991 No. 123 pp 85-114.  Barchas, Eberwine. An Approach to the Molecular Biology of Oplate Tolerance: Identification of Reverois Polymeropoulos, Xiao, Merril, Wu, Olde, Morene, Kerlavage, McCombie, Venter. ry DNA Sequencing: Expressed Sequence Tags and Human Genome Project. Science Vol. 252 (1991)pp  rerlock, Kawasaki, Wang, White, Erlich. Bladder Cancer- Human Leukocyte Antigen II, Interleukin-6, and Receptor Expression Determined by the Polymerase Chain Reaction. Cancer, Vol. 67, (1991) pp 2087-2095.  Particle Reviews of gene expression. Nature Genetics Vol. 2 (1992) pp173-179.  DATE CONSIDERED  DATE CONSIDERED  DATE CONSIDERED  DATE CONSIDERED  DATE CONSIDERED	
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Tarkelsen, Kohraa, Hindkjaer, Petersen, Housman, and Schaling. Tissue specific Labeling gens for a functional role in fragile X syndrome. Nature genetics Vol. 3. jan 1995 pp 36-43.  Gething, Bye, Skehel, Waterfield, Cloning and DNA sequence of double-stranded copies of haemagebutinin gens for an Indicate antigenic shift and drift in human influenza virus. Nature Vol. 285 pp 1980 pp 301-301.  Gething, Bye, Skehel, Waterfield, Cloning and DNA sequence of double-stranded copies of haemagebutinin gens for a functional role in fragile X syndrome. Nature genetics Vol. 3. jan 1995 pp 36-43.  Gething, Bye, Skehel, Waterfield, Cloning and DNA sequence of double-stranded copies of haemagebutinin gens for an United Schaling. Tissue specific expression of FMR-1 provides end Half Strands elucidates antigenic shift and drift in human influenza virus. Nature Vol. 287 pl 1980 pp 301-301.  Mogensen, Kolvvaa, Hindkjaer, Petersen, Kock, Nygard, Jensen, Gregersen, Junker, and Bolund. Naturadioactive, Sequence-Specific Detection of RNA in Situ by Primed in Situ Labeling (PRINS). Experimental Cell Research 196 (1991).  Kelso, troutt, Maraskovsky, Gough, Morris, Pech, Thomson. Heterogenisty in Lymphokine Profiles of CD4+ and Cells and Clores Activated in vivo and in Vitro. Immunolocical Reviews 1991 No. 123 pp 85-114.  Vonzzistrow, Barchas, Eberwine. An Approach to the Molecular Biology of Oplate-Tolerance: Identification of Oplate-Regulated Transcripts. NIDA Res Monogr 111: 88-98 (1991).  Meyers, Gumerlock, Kawasaki, Wang, White, Erich. Bladder Caneer. Human Leukovyte Antigen II, Intertwikin Interleukin. 6 Receptor Expression Determined by the Polymerase Chain Reaction. Cancer, Vol. 67, (1991) pp 2087.  Mackler, Brooks, Eberwine. Stimulus-Induced Coordinate Changes in mRNA Abundance in Single Postsynaptic Hippocampal CA1 Neurons. Neuron. vol. 9 pp 539-548 (1992).	kocyte Antigen II, Interleukin-6, and		
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	Mackler, Eberwine, The Molecular Biology of Ad	dictive Drugs Molecular Neurobic	New Vol. 5 1001 mm/5 58
10		dictive Diags. Molecular mediagno	110gy voi. 5 1771. pp45-50.
17)			
	Okubo, Hori, Matoba, Niiyama, Fukushima, Koji	ma, Matsubara. Large Scale cDNA	sequencing for analysis of quantitative
20	and quantative aspects of gene expression. Tractice	: Geneucs voi. 2 (1332) pp1/3-1/3.	
in	Mackler, Brooks, Eberwine. Stimulus-Induced Co Hippocampal CA1 Neurons. Neuron. vol. 9 pp 53	ordinate Changes in mRNA Abunc 9-548 (1992).	dance in Single Postsynaptic
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INITIAL		Liang, Pardee. Differential D	Display of Eu			Palamanas Chain Danction Science Vo
M		25/, August (1992) pp 96/-9	9/1.			
M		Liang, Averboukh, and Pardand optimization. Nucleic Ac	lee. Distribut cids Reaseard	tion and c ch, 1993	cloning of eukaryotic mRNAs by Vol. 21, No. 14. pp 3269-3275.	/ means of differential display: refinements
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	·	Pekarek, Weichselbaum, Bec Constitutive Cytokine Expres	kett, Nachmassion Pattern	an, Schre	iber. Footprinting of Individual er Research 53, 1978-1981 May,	l Tumors and Their Variants by 1993.
		Jaakkola, Peltonen, Riccardi, Schwann cells, perineurial ce	, Chu, Uitto, ells, and fibro	Type 1 n oblasts in	neurofibromatosis: selective expr mixed cultures. J Clin Invest 84	ression of extracellular matrix genes by 4: (1989) pp253-261.
M	1.	Belldegrun, Kasid, Uppenkan mRNA expression and releva	mp, Topalian ince to cancer	ı, Rosenbor immuno	erg. Human tumor infiltration lotherapy. J Imminol 142; 4520-	lymphocytes. Analysis of lymphokine 6, 1989, pp 4520-4526.
M	. 44 24 4	coordinately but by different	ational initiat mechanisms	tion factors in murin	r expression and ribosomal protie lymphosarcoma cells treated v	ein gene expression are'repressed with glucocorticoids. Mol Cell Biol 9, 1989
M		Kock, Kolvraa, Hobolt, Peter hybridization. Clinical Gener	rsen, Willard, tics (1990) 37	, Waye, G 7; 216-22(	Fregersen, and Bolund. A case o	of 46, XX,r(X)(p1q1) diagnosed by in situ
M	.	Koch, Kolvraa, Hertz, Rasmu X-chromosomes with short ar	ussen, Greger rm fusion. C	rsen, Fly, llinical Ge	And Bolund. In situ hybridizat enetics (1990) 37: pp 450-455.	ion analysis of isodicentric
n		Belldegrun, Kasid, Uppenkan with unique antitumor specifi pp 1-10.	np, and Rose icity isolated	enberg. L from ren	.ymphokine mRNA profile and f al cell carcinoma ascitic fluid. (	functional analysis of human CD4+ clone Cancer Immunol Immunother (1990) 31:
20		Quantitative analysis of cytok 144: 1990, pp3347-3353.	kine gene exp	ression in	ı rheumatoid arthritis. Firesteir	ı, Garcia, Maki. , Journal of Immunology
an		Albrecht E. Sipple, Purificati grom Escherichia coli. Eur. J	ion and Char J. Biochem. 3	racterizat 17, 31-40,	ion of Adenosine Triphosphate: 1973.	Ribonucleic Acid Adenyltransfeerase
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M					A in Mouse Tissue. Cell. Vol. 9. pp
D		Bentle, And Hahn. Complexity as May 1976.	nd Characterizati	ion of Polyadenylated RNA in the	e Mouse Brain. Cell. Vol. 8. pp 139-150
M		Dona M. Chikaraishi, Complexit Biochemistry 1979. Vol.18, No.15	y of Cytoplasmic , pp 3249-3256.	Polyadenylated and Nonpolyader	nylated Rat Brain Ribonucleic Acids.
P	*	Milner, Sutcliffe. Gene Expression	n in Rat Brain. N	Nucleic Acid Research 1983, Vol.	11, pp 5497-5521.
A		Richard E. Harlan. Regulation of 1988. pp 183-200.	Neuropeptide G	ene Expression by Steroid Hormo	ones. Molecular Neurobiology Vol. 2,
M		J. Gregor Sutcliffe. mRNA in the	mammalian cent	ral nervous system. Ann. Rev. No	eurosci. 1988, pp 157-189.
D		Ansorge, Rosenthal, Sproat, Schw	ager, Stegemann,	, Voss. Nucleic Acid Research. Vo	ol. 16 No. 5 1988, pp 2203-2206.
M	7	Mattson, Kater, Development and Reasearch, 490 (1989) pp 110-125.	I selective neurod	egeneration in cell cultures from	different hippocampal regions. Brain
M		Lightman and Young. Corticotrop Stress and Opiates in the Rat. Jou	phin-Releasing Fa rnal Physiology (	actor, Vasopressing and Pro-Opic (1988)403, pp. 511-523.	omelanocortin mRNA Responses to
M		Uhl, Ryan, Schwartz. Morphine a	lters preproenkep	phalin gene expression. Brain Re	s. 1988 Vol. 459(2): 391-7
(M)		James, Pearce. The Influence of A Schistosomiasis. J. Immunologyy,	djuvant on Induc Vol. 140 No. 8 (1	ction of Protective Immunity By A 1989) pp 2753-9.	A Non-Living Vassine Against
m		North and Williams. On the Potas (1985), 364, pp. 265-280.	sium Conductano	ce Increased by Opiods In Rat Lo	ocus Coeruleus Neurones. J. Physiol.
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*EXAMINER		OTHER DOCUMENTS (Miles Propriet) Title	e, Date, Pertinent Pages, Etc.)	1000
INITIAL		Himill, Neher, Sakmann, and Sugworth. Improved Cells and Cell-Free Membrane Patches. Pflugers A		Resolution Current Recording from
M		)		·
		Perozzi, Mengheri, Fafaonio, Gaetani. Expression ( Letters, Vol. 257, No. 2, Nov. 1989. pp.215-218.	of liver genes coding for plasma prote	eins in protein deficiency. FEBS
14		:		
M		Van Gelder, Zastrow, Yool, Dement, Barchas, Eber cDNA. Proc. Natl. Acad. Sci. USA, Vol. 87. pp.1663	wine, Amplified RNA sythesized fro 3-1667. March 1990.	m limited quantities of heterogeneous
My	1 1/2	Guitart, Hayward, Nisenbaim, Johnson, Haycock, N AMP-Regulated Phosphoprotein of 58 kDa, as Tyro Morphine in the Rat Locus Coeruleus. The Journa	osine Hydroxylase: Evidence for Regi	ulation of its Evaressian by Chronic
N	. 1	Hayward, Duman, Nestler. Induction of the c-fos p regions of rat brain. Brain Reasearch, 525 (1990) p	roto-oncogene during opiate withdra op. 256-266.	wal in the locus coeruleus and other
m		Eberwine, Yeh, Miyashiro, Cao, Nair, Finnell, Zette Acad Sci. USA. Vol. 89. pp. 3010-3014, April 1992.	el, Coleman, Analysis of gene express	ion in single live neurons. Proc. Natl.
N		Eberwine, Yeh, Miyashiro, Cao, Nair, Finnell, Zetto Acad Sci. USA. Vol. 89. pp. 3010-3014, April 1992.	el, Coleman, Analysis of gene express	ion in single live neurons. Proc. Natl.
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1	4,353,989	10/12/82	Bender			
M	4,362,699	12/7/82	Verlander			
M	4,415,732	11/15/83	Caruthers			
11)	4,458,066	7/3/84	Caruthers			
D	4,483,964	11/20/84	Urdea			
M	4,500,707	2/19/85	Caruthers			
	4,517,338	5/14/85	Urdea			
11)	4,562,157	12/31/85	Lowe			
M	4,598,049	7/1/86	Zelinka			
	4,668,476	5/26/87	Bridgham			
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SERIAL NO9/713,545 INFORMATION DISCLOSURE CITATION Examiner: Sandals, W (Use several sheets if necessary) Inventor: Van Gelder et al. JAN 0 2 2002 FILING GROUP 11/15/00 1636 USPATENT DOCUMENTS **EXAMINER** FILING DATE · DOCUMENT NUMBER NAME CLASS SUBCLASS INITIAL IF APPROPRIATE 5,174,962 12/29/92 Brennan 422 78 6/20/88 5,175,209 12/29/92 **Beattie** 525 54.11 1/6/87 5,198,368 3/30/93 Khalil 436 518 4/22/88 5,221,518 6/22/93 Mills 422 62 11/13/87 5,409,818 4/25/95 Davey 91.21 435 6/24/88 5,399,491 3/21/95 Kacian 435 91.21 7/11/89 5,554,517 9/10/96 Davey 435 91.21 6/24/88 5,888,779 3/30/99 Kacian 435 91.2 7/11/89 5,437,990 8/1/95 Burg et al. 435 91.2 7/11/87 5,869,249 9/9/99 Rossi 435 3/10/88 5,783,391 7/21/98 Rossi 435 3/10/88 FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE TRANSLATION COUNTRY CLASS SUBCLASS YEŞ NO OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) EXAMINER DATE CONSIDERED 3hila \*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-A820 (also form PTO-1449)

## ATTY DOCK SERIAL NO. 713,545 INFORMATION DISCLOSURE CITADION (Use several sheets if necessary) Inventor: Van Gelder et al. Examiner: Sandals, W FILING JAN 0 2 2002 GROUP 11/15/00 1636 U.S. PATENT DOCUMENTS \*EXAMINER DOCUMENT NUMBER DAŢE NAME FILING DATE CLASS SUBCLASS INITIAL IF APPROPRIATE 5,622,820 4/22/97 Rossi 435 5 3/10/88 5,143,854 9/1/92 Pirrung 436 518 7/7/89 RE34,069 9/15/92 Koster-536 27 8/10/84 FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY TRANSLATION CLASS SUBCLASS YES OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) **EXAMINER** DATE CONSIDERED 3/2/102 \*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-A820 (also form PTO-1449) P09C/REV03

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	Abbott et al. Enzymatic g	ene amplification: C	Author, Title, Source, and	Pertinent Pages)	-44		DATE	
μ	amplified in vitro. J. Infec	ct. Diseases Vol 15	8(6):1158-1169.	titative methos to di	etecting proviral [	DNA		
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,	Kwoh et al. Transcription virus type 1 with a bead-b	-based amplificatoin pased sandwich hybr	system and detect	on of amplified hum	nan immunodeficie	ency		
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	Gingeras et al. Transcripti	on-based amplificati	on system and the	detection of its RNA	products by a			
۷	bead-based sandwich hybr	riaization system. J	. Cell. Biochem. (S	uppl. 13E, 286)		.	1989	
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1	Gilliland et al. Quantitative	amplification of me	RNA using nelice					_
+	Gilliland et al. Quantitative (Suppl. 13E, 270)	amplification of m	RNA using polymera	ase chain reaction.	J. Cell. Biochem.	.	1989	-